

Originator : JON CHRISTENSEN Schedule Date :
Planner : DAVID ALLAN Priority : 3C
Drawing No : Clearance : NO
Equip No/Cat: 2CCE--D 2 Tag Request :
Project ID : 2CCE-FAN-1D Text ID :
Shutdown : U Unit Frequency : NOT SCHEDULED
Ref No : Last Reading : No Reading

Date Completed: _____ Failure Code: _____
Completed By : _____ Signature : _____
Accepted By : _____ Signature : _____

** Delay Codes Legend **

W=Whse C=CrSp T=Tag TL=Tool P=Plan
** Record Time Daily ** Delays

Step	Job Scope	MN	DY	Safety and Additional Information	Emp No	Date	Hours	Code/Hrs
1	<IGS02-07>	2	1	SAFETY / ENVIRONMENTAL REQUIREMENTS:				
	PROVIDE MECHANICAL SUPPORT WITH INSTALLATION OF NEW DRIVE FOR UNIT-2 I.D. FAN-1D. BREAK COUPLING, REASSEMBLE COUPLING, CHECK ALIGNMENT, AND OTHER SUPPORT WITH THE PROJECT AS REQUESTED.			* THE AREA AROUND THE MOTOR AND COUPLING IS TIGHT. BE CAREFUL TO POSITION YOUR BODY PROPERLY BEFORE LIFTING, PULLING ON WRENCHES, ETC.				
	INSTRUCTIONS:			* CLEAN UP ANY GREASE OR OILS THAT YOU SPILL OR DRIP IMMEDIATELY SO THAT THEY DO NOT BECOME SLIP HAZARDS.				
	1. READ THIS ENTIRE WORK ORDER, INCLUDING "SAFETY / ENVIRONMENTAL" AND "ADDITIONAL INFORMATION" SECTIONS, AND REVIEW ALL WORK ORDER ATTACHMENTS BEFORE STARTING WORK.			* DO NOT CARRY TOOLS OR MATERIALS IN YOUR HANDS WHILE ON THE MOTOR PEDESTAL ACCESS LADDER. DO NOT THROW TOOLS OR MATERIALS UP TO THE PEDESTAL OR DOWN TO THE FLOOR. USE A ROPE TO RAISE AND LOWER THEM.				
	2. VERIFY AND SIGN-ON TO CLEARANCE.			* ALWAYS WEAR ALL REQUIRED PPE.				
	3. REMOVE THE COUPLING GUARD AND SET IT ASIDE. THE COUPLING GUARD MIGHT BE DIFFICULT TO REMOVE. IF IT NEEDS TO BE MODIFIED, DO IT (SEE UNIT-1 FANS).			END*****				
	4. BREAK THE COUPLING IF REQUESTED. SEE THE DOCUMENTS ATTACHED TO THIS WORK ORDER FOR PROCEDURES. STORE ANY PARTS REMOVED IN A SAFE LOCATION SO THAT THE PARTS ARE NOT LOST. REPLACEMENT PARTS ARE NOT AVAILABLE. !! MAKE SURE THAT EVERY PART IS MATCH MARKED SO THAT ALL PARTS CAN BE RETURNED THE THE ORIGINAL POSITION, ORIENTATION, ETC !!			ADDITIONAL INFORMATION: * LOCATION: OUTSIDE, SOUTH OF UNIT-2 SCRUBBER BUILDING, FAR WEST I.D. FAN. * A FULL SET OF RUBBER COUPLING BLOCKS HAVE BEEN ORDERED FOR THIS WORK ORDER, HOWEVER THEY LIKELY WILL NOT ARRIVE IN TIME TO USE THEM. * DO NOT USE ANY LUBRICANT OTHER THAN PURE SILICONE OIL, STOCK #20253, OR				
	5. REASSEMBLE THE COUPLING WHEN DIRECTED							

** IMPORTANT NOTICE **

YOU ARE RESPONSIBLE FOR YOUR OWN SAFETY AND MUST
ENSURE THAT THE REQUIRED PPE IS WORN FOR EVERY
JOB YOU ARE DOING. IF YOU HAVE ANY QUESTIONS
CONCERNING THE WORK RULES, SAFETY CODES, OR
REQUIRED PPE, PLEASE CONTACT YOUR SUPERVISOR.

Job Feedback/Historical Notes:



02-53663-4

IP7011760

Step	Job Scope Cont'd	MN	DY	Safety and Additional Information Cont'd	Notes Cont'd:
1	<p>TO DO SO. SEE THE DOCUMENTS ATTACHED TO THIS WORK ORDER FOR PROCEDURES. PAY ATTENTION TO THE BOLT TORQUES GIVEN, AND ALWAYS TORQUE THE BOLTS IN STEPS AND FOLLOWING A DIAMETRICALLY OPPOSED SEQUENCE.</p> <p>6. CHECK AND CORRECT ALIGNMENT:</p> <p>6a. IF THE FAN BEARING LUBE OIL SYSTEM IS NOT ALREADY IN SERVICE, ASK OPERATIONS TO START IT UP BEFORE YOU ROLL THE FAN ROTOR TO BEGIN THE COUPLING ALIGNMENT PROCESS.</p> <p>6b. CHECK SHAFT ALIGNMENT. RECORD THE "AS FOUND" MEASUREMENTS ON THE ALIGNMENT DATA SHEET ATTACHED TO THIS WORK ORDER. IF ANY MEASURES ARE OUT OF THE TOLERANCES GIVEN ON THE ALIGNMENT DATA SHEET, CONTACT YOUR SUPERVISOR. CORRECT THE ALIGNMENT AS NEEDED, AND AS YOU ARE DIRECTED. RECORD "AS LEFT" MEASUREMENTS ON THE ALIGNMENT DATA SHEET.</p> <p>6c. DOUBLE-CHECK ALL MOTOR FEET HOLD DOWN BOLTS TO CONFIRM THAT THEY ARE TIGHT.</p> <p>7. REINSTALL AND BOLT DOWN THE COUPLING GUARD. MAKE SURE THAT IT DOES NOT TOUCH THE COUPLING OR THE SHAFTS.</p> <p>8. CLEAN UP AFTER YOURSELF. RETURN TOOLS.</p> <p>9. MAKE SURE THAT THE ALIGNMENT DATA SHEET IS COMPLETELY FILLED OUT AND ATTACHED TO THIS WORK ORDER.</p> <p>10. DOCUMENT ALL WORK CHARGED TO THIS WORK ORDER IN SUPPORT OF THE PROJECT.</p> <p>ADDITIONAL INSTRUCTION BY SUPV.....</p>			<p>ASSEMBLY OIL PACKAGED WITH THE NEW BLOCKS TO LUBRICATE THE RUBBER BLOCKS. OTHER LUBRICANTS WILL CAUSE THE RUBBER TO DETERIORATE.</p> <p>* AN ALIGNMENT DATA SHEET IS ATTACHED TO THIS WORK ORDER. THIS DATA SHEET MUST BE FILLED OUT AND RETURNED WITH THIS WORK ORDER.</p> <p>* LUBE OIL SYSTEM MUST BE IN SERVICE ANY TIME THAT YOU ROLL THE SHAFT SO THAT WE DO NOT RISK DAMAGING THE BEARINGS.</p> <p>* YOU WILL NEED A 2-3/8" WRENCH FOR MOTOR FEET BOLTS.</p> <p>* JON CHRISTENSEN (x6481) IS THE PROJECT ENGINEER. THE ELECTRICIANS (BOB WRIGHT, x6844) WILL BE WORKING ON THE I.D. FAN DRIVE REPLACEMENT.</p> <p>* 0290.17222, 0290.14(2x), 0290.05139V, 0990.07101V(2x), 0990.02101V, SPC(2x), HW, 0990.07102V, 0990.06125V(2x), CLR, XT(10x)</p> <p>END*****</p>	

IP7011761

CREW: 154

WORK ORDER TYPE: MODIFICATIONS

02-53663-4

ISSUE DATE 01/06/11

Page 3 Of 3

** Work Order Parts List **

Part No	Description	PO/Req/SIR	Date Due	U/M	Reqd	Commit	Issued/Rcvd
-----	-----	-----	-----	---	-----	-----	-----
1 58871	BLOCK, COUPLING	S 272536	03/12/04	ST	0	0	0

IP7011762